



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY
AND POLLUTION
PREVENTION

February 2, 2011

DP BARCODE: D382539 and D282541

MRID: 48223201, 48223202, 48223203, 48223204

SUBJECT: Aquatabs

REG. NO. OR FILE SYMBOL: 71847-U

DOCUMENT TYPE: Product Chemistry Review

Manufacturing-use [] OR End-use Product [X]

INGREDIENTS (PC Codes): 081404

CAS Number: 2893-78-9

TEST LAB: N/A

SUBMITTER: Medentech Ltd.

GUIDELINE: 830 Guidelines

COMMODITIES: Formulation

REVIEWER: Chris Jiang CJ

ORGANIZATION: AD

APPROVER: Karen P. Hicks

APPROVED DATE: 2/2/11

COMMENT:



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF
CHEMICAL SAFETY
AND POLLUTION
PREVENTION

February 2, 2011

MEMORANDUM

Subject: Review for 71847-U

From: Chris Jiang, Chemist
Chemistry and Toxicology Team
Product Science Branch
Antimicrobials Division (7510P)

Thru: Karen P. Hicks, CT Team Leader
Chemistry and Toxicology Team
Product Science Branch
Antimicrobials Division (7510P)

To: Wanda Henson PM 32\Sherri Gray
Regulatory Management Branch II
Antimicrobials Division (7510P)

Applicant: Medentech Ltd.

Chris Jiang
2/2/11
JFH Karen P. Hicks
for
2/2/11

Formulation from Label

<u>Active Ingredient(s)</u>	<u>% by wt.</u>
Sodium dichloroisocyanurate	16.88 %
<u>Other Ingredients</u>	83.12 %
Total	100.00 %

BACKGROUND:

The registrant has submitted a label, Confidential Statements of Formula for the basic formulation, and MRIDs 48223201, 48223202, 48223203, and 48223204 to satisfy the product chemistry requirements for this end-use product. The contractor has done the primary review of this submission and Product Science Branch of Antimicrobials Division has done a secondary review which supersedes the primary review.

FINDINGS:

1. The concentration of the active ingredient on the Confidential Statement of Formula (CSF dated 1-Feb-2011 for the basic formulation) is consistent with the label declaration. This CSF supersedes all previous CSFs for the basic formulation.
2. All ingredients are approved for use in pesticidal products.
3. The product identity and composition is **acceptable**.
4. The descriptions of the starting materials and the formulation process are **acceptable**.
5. The wider certified limits are **acceptable** because of manufacturing limitations. The other certified limits are **acceptable**.
6. The enforcement analytical method is **acceptable**.
7. The color, physical state, and odor are **acceptable** as the product is a white tablet with a slight chlorine-like odor.
8. The density is **acceptable** as the pour density was determined to be 1.21 g/mL.
9. The pH is **acceptable** as the pH of a 1% solution of the product was determined to be 6.88.
10. The oxidation/reduction potential is **acceptable**. The product is incompatible with water, 10% potassium permanganate, and kerosene. When the product was mixed with these substances, bubbles were produced within two minutes. When the product was mixed with 10% monoammonium phosphate, bubbles were produced and the solution had an increase in temperature of six degrees. The product was compatible with iron powder.
11. The flammability is **acceptable** as this requirement is not applicable to the product.
12. The explosability is **acceptable** as this requirement is not applicable to the product.

13. The joint study for storage stability and corrosion characteristics is ongoing.
14. The viscosity is **acceptable** as the product is a solid.
15. The miscibility is **acceptable** as this requirement is not applicable to the product.
16. The dielectric breakdown voltage is **acceptable** as the product is not intended for use around electrical equipment.
17. The waivers for product chemistry are **acceptable**.
18. Under the "Precautionary Statements" section of the label, change "after handling" to read "after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet."
19. Under the "Storage and Disposal" section of the label, change the "Storage" subheading to read "Pesticide Storage."

CONCLUSIONS:

Product Science Branch of Antimicrobials Division finds the CSF and the data for 71847-U to be acceptable, pending the results of the joint study for storage stability and corrosion characteristics and pending the label changes which can be done on the next printing of the label.